CP-24879 hydrochloride

Product Number C 9115
Store at Room Temperature

CAS RN: 10141-51-2
Synonyms: p-isopentoxyaniline hydrochloride
Molecular Formula: C11H18ClNO
Molecular Weight: 215.72

Product Description
Symptoms of essential fatty acid deficiency include immune system depression and a general state of inflammatory inhibition. CP-24879 is an inhibitor of arachidonic acid biosynthesis acting via the inhibition of Δ5/Δ6 desaturase. These enzymes are being probed as an alternative target for reduction of inflammation. Mice injected with CP-24879 at 3 mg/kg had a reduction of liver arachidonate content of approximately 50%. Mouse mastocytoma cells treated with CP-24879 showed decreased arachidonic acid content and decreased synthesis of leukotriene C4. Stimulating the cells in the presence of exogenous arachidonic acid restored production of leukotriene C4, indicating that endogenous arachidonic acid was a limiting substrate.1

Precautions and Disclaimer
This product is for R&D use only, not for drug, household, or other uses. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.

Preparation Instructions
Soluble in DMSO at 22 mg/mL.

Storage/Stability
Store at room temperature.

References

AH/PHC 11/04

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